

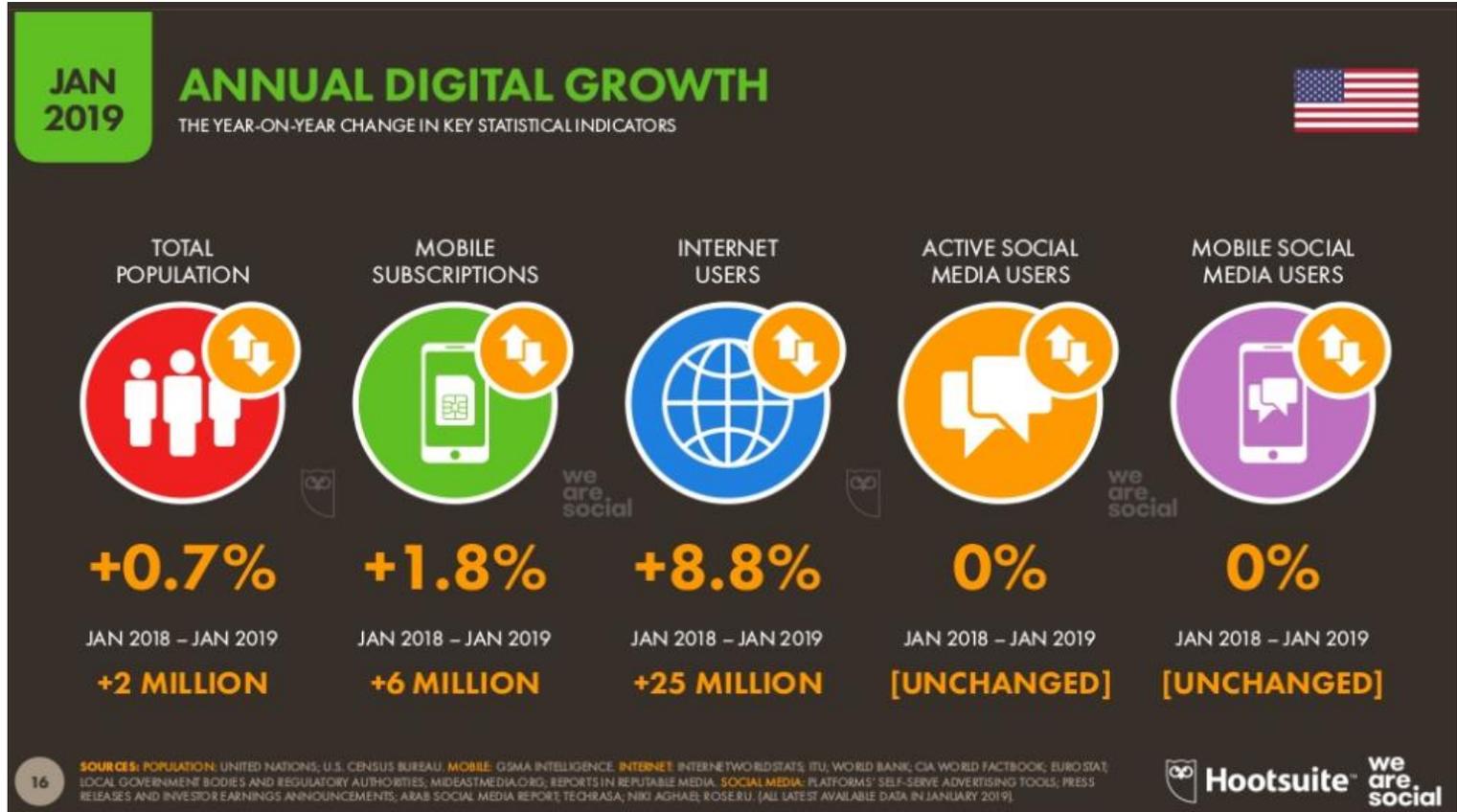
Virtual Public Involvement

PIMA & Public Portal

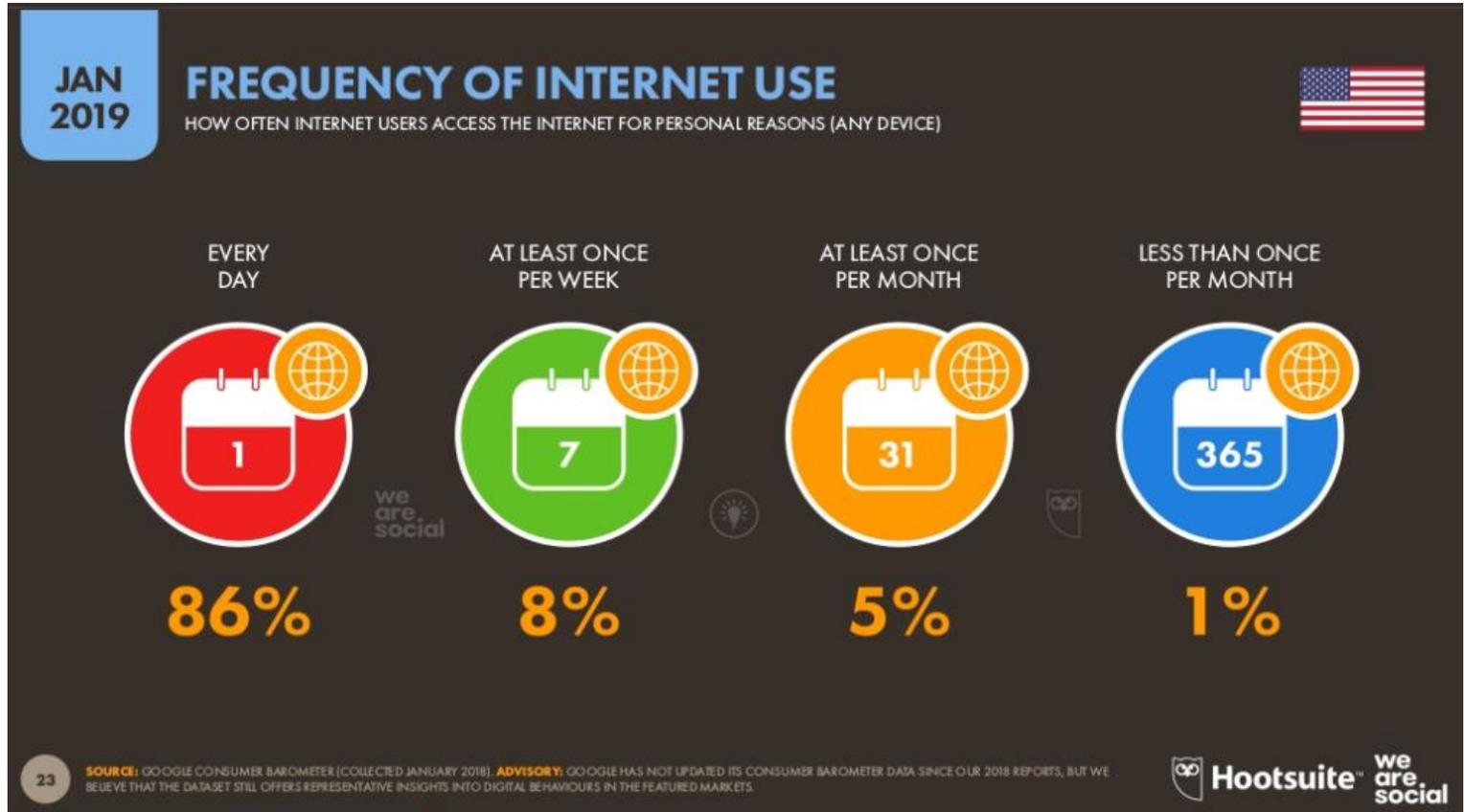
Statistics



Statistics



Statistics



What is PIMA?

A virtual platform that allows better management and coordination of public involvement throughout Iowa DOT

GOALS

1. Better analyze and adjust our PI effort based on real data
2. Improve the ease in providing public feedback
3. Providing transparency and accountability for what we say
4. Allow management of the PI program with decreasing staffing
5. Allowing a seem-less transition of public involvement through the development and construction processes.
- 6. Position the Department to transition to an online “hearing before your peers”**

IOWA'S JOURNEY

- Pre-2014** All Paper – PI on 1%-3% of projects (only development)
- 2014** Requirements Gathering & Early Development
- 2015** Large Scale Development 
- 2015** September - First Test of the Prototype
- 2016** Testing, Use, & Expansion of the Application
- 2017** Additional Development Centered around Online Meetings and Offline Capabilities
- 2018** Simplification of the interface and enhancement of the online capabilities
- 2019** **See Next Steps** 

Points of Integration

Has Versioned Data: false
MaxRecordCount: 100000
Supported Query Formats: JSON, AMF
Supports Query Data Elements:
Layers:

- [PIMA PIN Data](#) (0)

Tables:

- [PIMA Events Data](#) (1)

Description: This data feeds HNTB's Public Involvement Managem...

Copyright Text: Iowa Department of Transportation

Spatial Reference: 102100 (3857)

Initial Extent:
 XMin: -1.0797613506929701
 YMin: 5087103.923355861

Has Versioned Data: false
MaxRecordCount: 200000
Supported Query Formats: JSON, AMF
Supports Query Data Elements:
Layers:

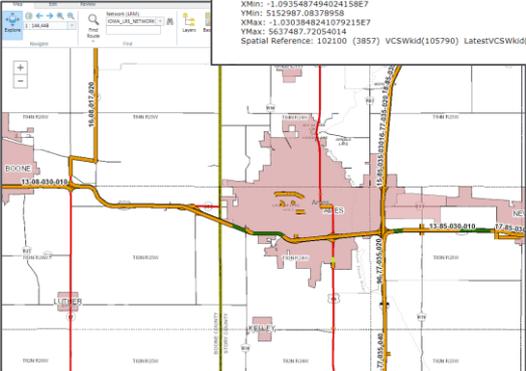
- [PSS Events](#) (1)
- [PSS Project](#) (2)

Description:

Copyright Text:

Spatial Reference: 102100 (3857) VCSWkid(105790) LatestVCSWkid(3855)

Initial Extent:
 XMin: -1.0935487494024158E7
 YMin: 51522897.08378959
 XMax: -1.0203848241079215E7
 YMax: 5637487.72054014
 Spatial Reference: 102100 (3857) VCSWkid(105790) LatestVCSWkid(3855)



Microsoft Azure (Office 365)

- Authentication
- **Collaboration (TEAMS)**
- **Power BI (Analytics)**

3 REST Services (Retiring after MDM integ)

- Program ID Number (PIN)
- Project Number
- Schedule Event Information

Roads & Highways RAMS (LRS)

- PIN Geospatial Location

Program & Project Management System

- **GEARS (MDM System)**

PIMA Application



Four primary components:

- A. Response Management
- B. Stakeholder Management
- C. Event Management
- D. Analytics

The screenshot displays the PIMA application interface. At the top, there is a navigation bar with 'Active Projects' and a search field. Below this is a table of projects with columns for Project No, Status, and other details. A yellow callout 'A' points to the 'Active Projects' section. Below the project list is a table of responses with columns for Date, Status, Stakeholder, Category, Project, Topic, Source, Notes, and Message. A yellow callout 'B' points to the 'Stakeholder' column, 'C' points to the 'Project' column, and 'D' points to the 'Status' column. At the bottom right, there is a pagination control showing 'Record Count: 1736' and 'Page Size: 10' with a page number '1' highlighted.

Date	Status	Stakeholder	Category	Project	Topic	Source	Notes	Message
11/04/2019	Responded	Boyd B	Iowa DOT Projects	NHSX-030-5(258)-3H-85	Safety, Traffic	Collected at Meeting	The concerns I have relat...	I have been avoiding inter...
10/31/2019	New	Roberta U	Iowa DOT Projects	IMN-080-6(235)239-0E-52	Other	Phone	My name is [First Name] ...	I am sorry I missed the da...
10/29/2019	New	Joann K	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting	It is my belief this would b...	NEEDS TO BE 6 LANES ...
10/28/2019	New	Dave H	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting	this would be a great addi...	Make I380 6 lanes in the ...
10/25/2019	New	LARRY S	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting	I-380 corridor between C...	Three lanes in both direct...
10/25/2019	New	John S	Iowa DOT Projects	IM-380-6(332)8-13-52	Design, Safety, Traffic	Collected at Meeting		
10/25/2019	New	Julie H	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting		
10/25/2019	New	Joe C	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting		
10/25/2019	New	Adam J	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting		

PIMA Application



Browser address bar: pima.iowadotpi.com/#/ResponseManagement

User: Brad Hofer@iowadot.us

Active Projects: Search... Hide Projects

Project No	PIN	District	Directory	Description	County	NOV	DEC	JAN
IM-380-6(332)8-13-52	16-52-380-030	6	5238003016	I-380 South of U.S. 30 to north o...	Johnson	1		
NHSX-018-2(126)-3H-21	20-21-018-020	3	0	Preliminary Engineering	Clay, Palo Alto, Kossuth, Hancock	1		
STP-021-1(34)-2C-54	01-54-021-010	5	5402101001	IA 149 to IA 92	Keokuk	1		
NHSN-065-4(139)-2R-50	12-50-065-020	1	5006502012	Iowa 330 between U.S. 65 and J...	Jasper			
NHSX-122-1(14)-3H-17	11-17-122-020	2	1712202011	IA 122 in Mason City from Monro...	Cerro Gordo			
NHSX-030-5(244)-3H-85	13-85-030-010	1	8503001013	proposed improvements along U...	Story			
NHSX-018-6(85)-3H-34	06-34-018-010	2	3401801006	U.S. 18/U.S. 218/Iowa 27	Floyd			
NHS-061-2(60)-19-29	97-29-061-010	5	2906101097	U.S. 61 in Des Moines and Louis...	Des Moines, Louisa			
IM-035-4(224)87-13-77	15-77-035-040	1	7703504015	I-35 study	Polk, Story			
IM-380-6(224)25-13-57	96-57-380-050	6	5738005096	I-380 from Iowa 100/Collins Road...	Linn			1

Show 10 entries | Previous 1 2 3 4 5 ... 209 Next

Icons: Add Comment, Statures, Categories, Topics, Sources, Search...

Date	Status	Stakeholder	Category	Project	Topic	Source	Notes	Message
11/04/2019	New	Boyd B	Iowa DOT Projects	NHSX-030-5(258)-3H-85		Collected at Meeting		The concerns I have relat...
11/04/2019	Responded	Annabelle B	Iowa DOT Projects	IMN-080-6(235)239-0E-52	Safety, Traffic	Online		I have been avoiding inter...
10/31/2019	New	Roberta U	Iowa DOT Projects	IMN-080-6(235)239-0E-52		Phone		My name is [First Name] ...
10/29/2019	New	Joann K	Iowa DOT Projects	NHSX-030-8(25)-3H-16	Other	US Postal Service		I am sorry I missed the da...
10/28/2019	New	Dave H	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting		It is my belief this would b...
10/25/2019	New	LARRY S	Iowa DOT Projects	IM-380-6(332)8-13-52	Traffic	Collected at Meeting		NEEDS TO BE 6 LANES ...
10/25/2019	New	John S	Iowa DOT Projects	IM-380-6(332)8-13-52	Design, Safety, Traffic	Collected at Meeting		this would be a great addi...
10/25/2019	New	Julie H	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting		Make 1380 6 lanes in the ...
10/25/2019	New	Joe C	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting		I-380 corridor between C...
10/25/2019	New	Adam J	Iowa DOT Projects	IM-380-6(332)8-13-52	Safety, Traffic	Collected at Meeting		Three lanes in both directi...

Record Count: 1736 Page Size: 10 | < 1 2 3 4 5 6 7 >

Internal Management

-Internally manage public involvement events and activities: comments, responses, stakeholders, bulk emails etc.






★ My Projects

▼ Hide Projects
NHSX-030-8(29)--3H-16

							Project No	PIN	District	Directory	Description	County	JUN	JUL	AUG	
★	✎	✓	✉	86	709	2	75	NHSX-030-8(29)--3H-16	98-16-030-010	6	1603001098	U.S. 30 Plannin...	Cedar	1		
★	✎	?	✉	3	273	1	88	NHSX-002-1(122)--3H-36	19-36-002-070	4	0	Iowa Highway 2,...	Fremont	1		
★	✎	✓	✉	0	85	1	0	STPN-014-2(40)--2J-59	18-59-014-010	5	5901401018	1.2 mi N of N Jc...	Lucas	1		
★	✎	✓	✉	2	122	1	50	IM-080-3(219)110--13-25	17-25-080-020	4	2508002017	I-80 Bridges, Da...	Dallas	1		
★	✎	✓	✉	0	0	0	0	BRFN-059-3(38)--39-78	16-78-059-020	4	7805902016	Stream 0.2 mi S...	Pottawattamie			
★	✎	✓	✉	10	909	2	67	NHSX-030-1(175)--3H-43	18-43-030-010	4	4303001018	Missouri Valley ...	Harrison		1	
★	✎	✓	✉	16	348	4	75	IMN-080-6(235)239--0E-52	02-52-080-010	6	5208001002	I-80/I-380/U.S. 2...	Johnson			
★	✎	✓	✉	0	85	1	0	BRF-092-7(45)--38-62	13-62-092-010	5	0	IA 92 Bridge Re...	Mahaska		1	
★	✎	✓	✉	7	1...	2	64	IM-029-3(166)54--13-78	04-78-029-010-04	4	780290100404	I-29 in Council B...	Pottawattamie			
★	✎	✓	✉	0	0	1	0	NHSX-061-2(65)--3H-29	97-29-061-010-02	5	290610100297	U.S. 61- 210th ...	Des Moines, Lo...		1	

Show 50 entries Previous 1 Next











+ Add Event

Event Registration Form
Event Comment Form
Export

424 Invited

272 Attended

37 Attended and Invited

235 Attended and Not Invited

0 Attended Online

	Tasks	Event Name	Event Type	Event Date	Event Time	Site Name	Requestor
✎	12	June 19 Public...	P09- PIM	6/19/2019	5:00 PM - 7:00 ...	North Cedar Hi...	Jim Schnoebel...
✎	6	US 30 PEL- O...	P09- PIM	4/3/2019	12:00 AM - 12:...		Jim Schnoebel...

Record Count: 2 Page Size 5 1

Registration



Users register online for public information meetings

IOWADOT

U.S. 30 PLANNING STUDY
JUNE 19 PUBLIC MEETING

Please ensure that all of your information is current. Please enter all required information below and select "Continue".

First Name * Required	<input type="text" value="John"/>	Last Name * Required	<input type="text" value="Doe"/>
Email	<input type="text" value="john.doe@iowadot.us"/>	Phone Number	<input type="text" value="(515) 123-4567"/>
City * Required	<input type="text" value="Ames"/>	Zip * Required	<input type="text" value="50010"/>
Street Address			
<input type="text" value="800 Lincoln Way"/>			
Business or Organization represented (if applicable)			
<input type="text" value="Abcd"/>			
Organization Type (choose the most applicable)		State	
<input type="text" value=""/>		<input type="text" value="IA"/>	

REGISTER → 3 of 3

Response Management

Users can submit comments electronically and subscribe to future



U.S. 30 PLANNING STUDY JUNE 19 PUBLIC MEETING

1) Please enter your comment below:

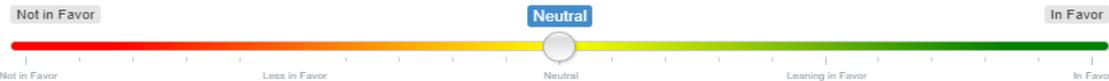
Please do not place any personally identifiable information such as names, phone numbers, or email addresses within this field and be aware that any comment you place in this field will be available for public consumption.

2) Select any of the following topics that apply to your comment:

- Bike/Ped
- Design
- Environmental
- Historical
- Safety
- Traffic
- Other

I prefer to send my comment by mail

3) What is your level of support for the project you are commenting about? Click on the dot to drag it along the scale.



4) Tell us about yourself:

Zip Code * Required

Last Name * Required

CONTINUE →

Response Management








+ Add Comment
Statuses ▾
Categories ▾
Topics ▾
Sources ▾
Search...
Export ▾

		Date ▾	Status	Stakeholder	Category	Project	Topic	Source	Notes	Message
		06/23/2019	New	Ron M	Iowa DOT Proje...	NHSX-030-8(29...	Other	Online		In reading an art... 
		06/22/2019	New	William S	Iowa DOT Proje...	NHSX-030-8(29...	Historical, Safet...	Online		This should not ... 

Comment Form - NHSX-030-8(29)--3H-16 U.S. 30 Planning Study
✕ Close
💾 Save Changes
📧 Send

Stakeholder Info ▲

Comment Info ▼

Date: Iowa DOT Project?

27 April 2019 ▾ Yes

Status: Closed ▾

*Source: Online ▾

*Category: Iowa DOT Projects ▾

*Response: Respond to me by e-mail ▾

Comment from JON C 04/27/2019

→ Response from Cathy C (Sent 05/02/19 11:12 AM)

+ Response

B I U A 14 ▾ A ☰ ☰ ☰ 🖼 ↶ ↷ ✕

The data in the current use and existing conditions report seems to show that the road is adequate as a 2 lane highway. The point of the push to make it 4-lane is that it would be used much more, rather than going to I-80 to the south. If there is not enough justification to go all the way to 4-lane, then maybe some extended passing lanes can be added in the places where the passing zones are now restricted due to the vertical curves (hilly areas). Also, a bypass around Clarence to the South would be the biggest time saver since it is the only town that really have a speed limit slower than 40.

Stakeholder Management

-Database of stakeholders for each project are populated and managed in PIMA. Bulk email notifications can be sent using this database.



			First Name	Last Name	Address	City	State	Zip	Email ▲	Type	Organization	Org Type	
			1	0	JON	[REDACTED]	1524 SILV...	DE WITT	IA	52742	[REDACTED]	Subscriber	1524 SILV...
			1	0	Amy	[REDACTED]	1716 260th...	Delmar	IA	52037	[REDACTED]	Subscriber	
			0	1	Ashley	[REDACTED]	5180 Elder...	Marion	IA	52302	[REDACTED]	Official	Iowa Hous... Other

CC

BCC

Subject

Body

john.doe@fakeemail.com, jane.doe@fakeemail.com

Public Notice- [NHSX-030-8\(29\)-3H-16](#) June 19th Public Meeting

B *I* U 14 ▼ **A** ▼ ☰ ☱ ☲ ☳ ☴ ☵ ☶ ☷

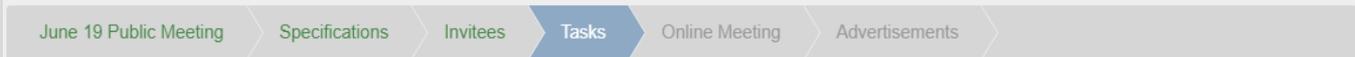
You are invited to attend a public information meeting on June 19, 2019, between 5 and 7 p.m. at the North Cedar High School gymnasium, 400 Ball Street, in Clarence. The purpose of the meeting is to discuss the U.S. 30 Planning Study, from just east of Lisbon to just west of [DeWitt](#), and to gather public feedback on the materials presented, which include the preliminary road profiles, potential corridor limits, and economic analysis along the corridor. Findings from this study will guide future environmental considerations and design improvements in the coming years. An introductory video explaining the purpose and initial studies completed for the U.S. 30 Planning Study was released on April 3, 2019 and is still available for you to view at: www.iowadot.gov/pim.

Text: 0 / HTML: 0

Event Management



-Manage public involvement events: date, time, location, staff, tasks, etc.



Event Tasks

Tasks are created automatically based on your selected Event Type. You can drag the individual tasks around on the calendar to reschedule or click on a day to assign a new task.

To move an event, drag it to another day and click OK when prompted. This will move the event and all of its corresponding tasks. Click Cancel instead to just move the event and not the tasks.

! Changes made to this calendar will not be saved without clicking the save button at the bottom of this screen. Please be sure to save if you want to keep your changes.

Calendar for June 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29 12a Mail- Official, Em	30	31	1
2	3	4	5 12a Print Registration 12a Project Statemen	6	7	8
9	10	11	12	13	14	15
16	17	18	19 12a June 19 Public M	20	21	22

Online Meetings



-Ability to setup online meetings with registration and comment forms.

The screenshot displays a web interface for an online meeting. On the left, a video player shows the Iowa DOT logo and the text "IOWA DOT I-80 Planning Study" and "Public Meeting #3". The video player has a progress bar at the bottom showing "0:03 / 9:13". On the right, a "Leave a Comment" form is visible. The form includes a text area with a placeholder message: "Please do not place any personally identifiable information such as names, phone numbers, or email addresses within this field and be aware that any comment you place in this field will be available for...". Below the text area, there are several checkboxes for selecting topics: "Bike/Ped", "Design", "Environmental", "Historical", "Other", "Safety", and "Traffic". A "Next" button is located below the checkboxes. At the bottom of the form, there are two more questions: "Where are you commenting about?" and "What is your level of support for the project?". A "Submit Confirmation" button is at the very bottom of the form.

Analytics

-The dashboard provides an overall look at project location and events. Comments associated with this project are geolocated showing level of favorability.



Project | Event

In Favor	71
Leaning In Favor	8
Neutral	34
Less In Favor	3
Not In Favor	0

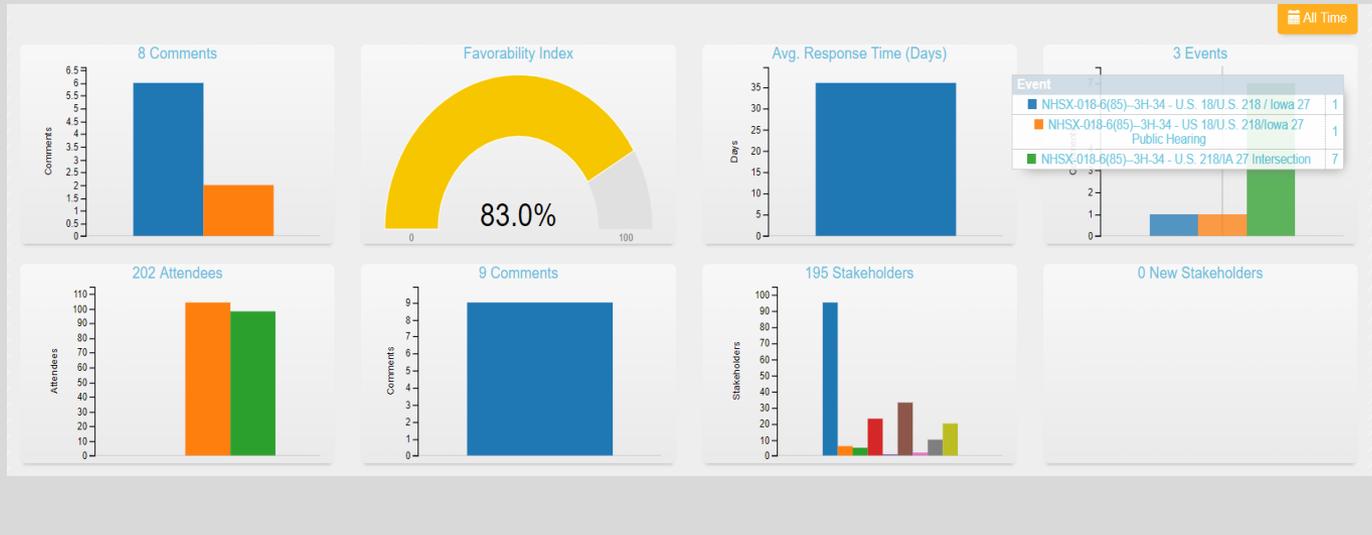
Categories ▾
Statuses ▾
Stakeholder Types ▾
Topics ▾
Sources ▾
Districts ▾
Counties ▾
Routes ▾

[Clear All Filters](#)

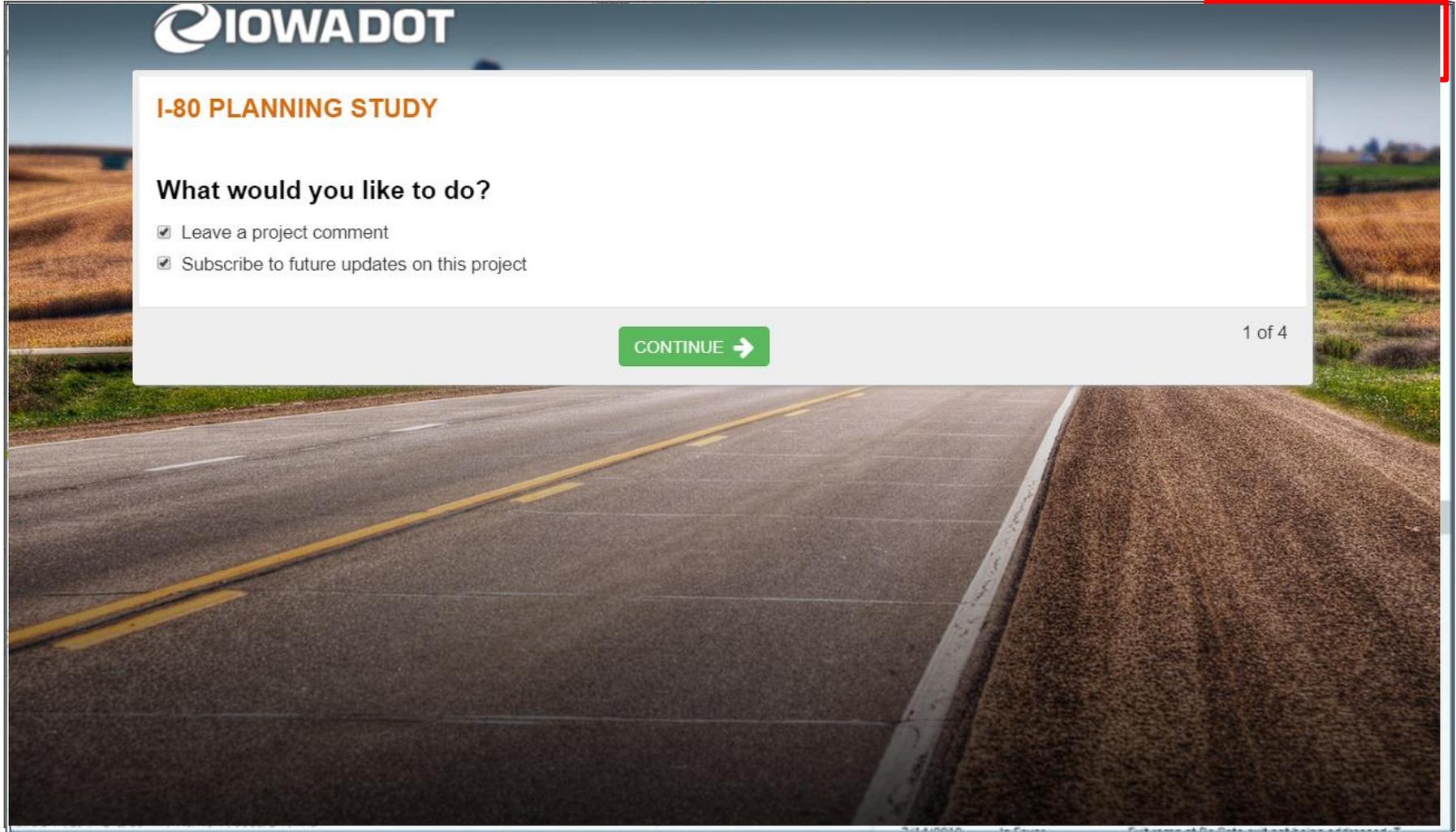
Map | Charts

Analytics

-The executive dashboard provides a summary of each public involvement event to gain a better understanding of the status of the project.



Public Portal



IOWA DOT

I-80 PLANNING STUDY

What would you like to do?

- Leave a project comment
- Subscribe to future updates on this project

CONTINUE →

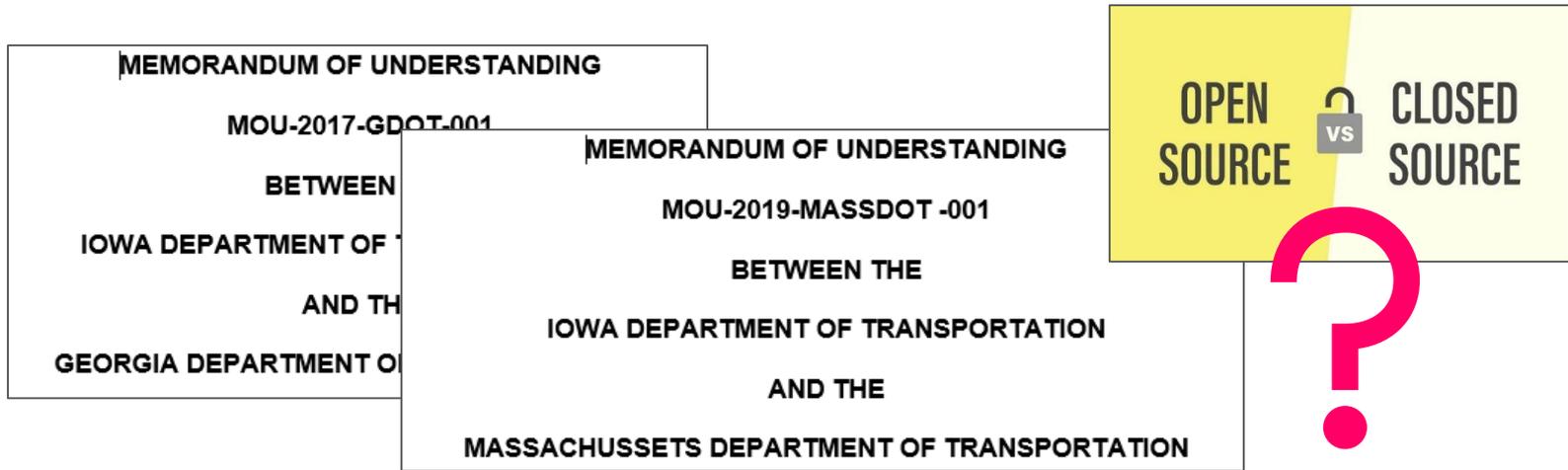
1 of 4

Next Steps

- Integrating Microsoft TEAMS - piloting a public hearing
- Manage PI Process related to non projects (LRTP, etc.)
- Integration with our MDM System
 - Integration with other venues for analytics
- PI Public Portal Enhancements (better tell the story)
- Word Clouds & Heat Mapping
- Further integration with statewide parcel layer

**PARTNERING WITH OTHER
STATES AND AGENCIES**

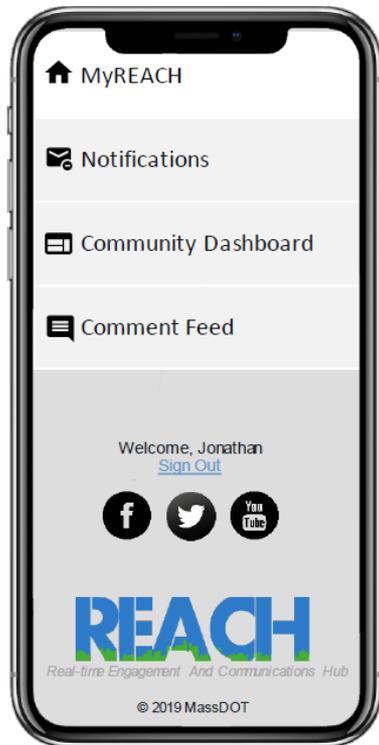
Open Source (kind of)



- Demonstrated Nationally at Research and GIS venues
- Demonstrated it one on one with over 13 other states
- Agreements with two other state DOT's
- Several others reviewing the agreement

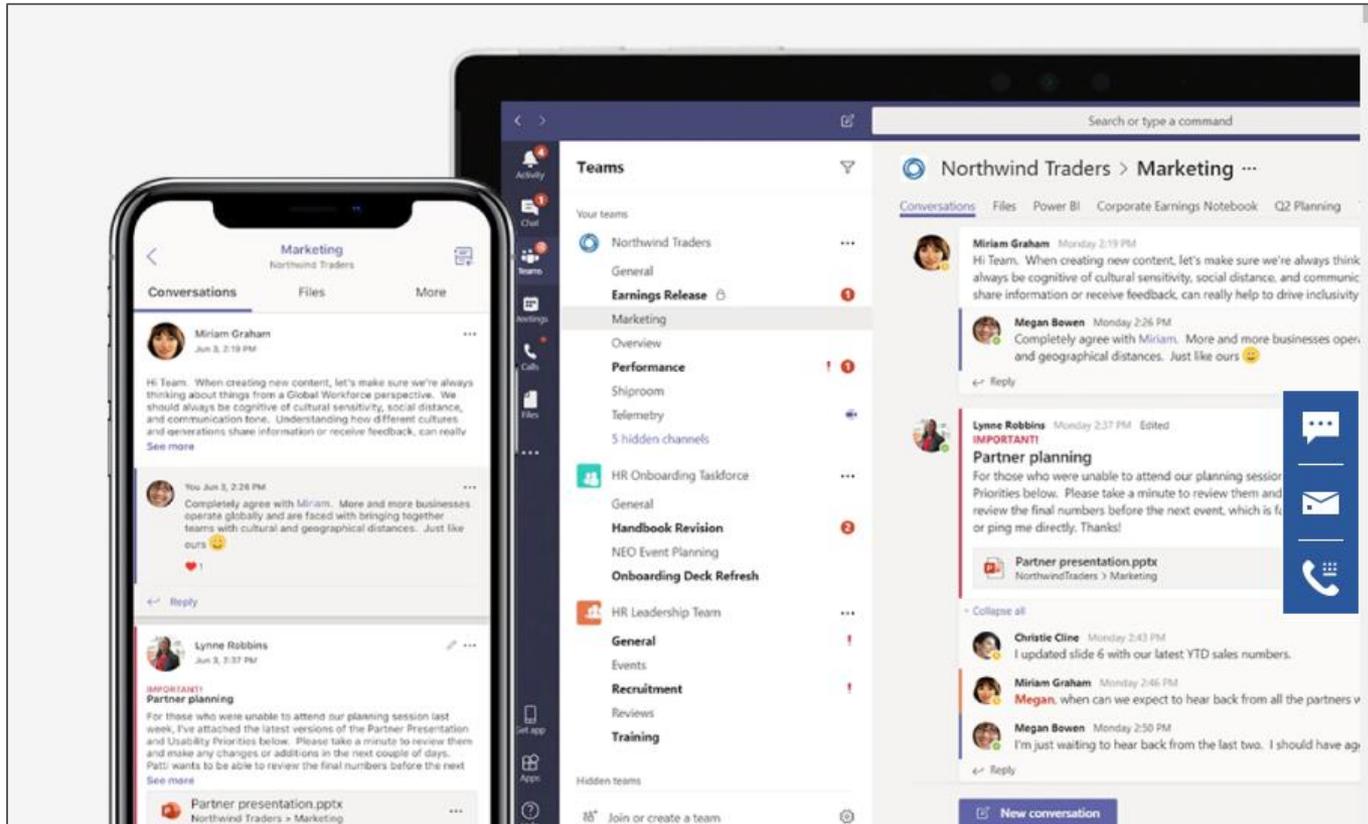
Next Steps-Leveraging development of native application

MassDOT PIMA – Native App Mockup

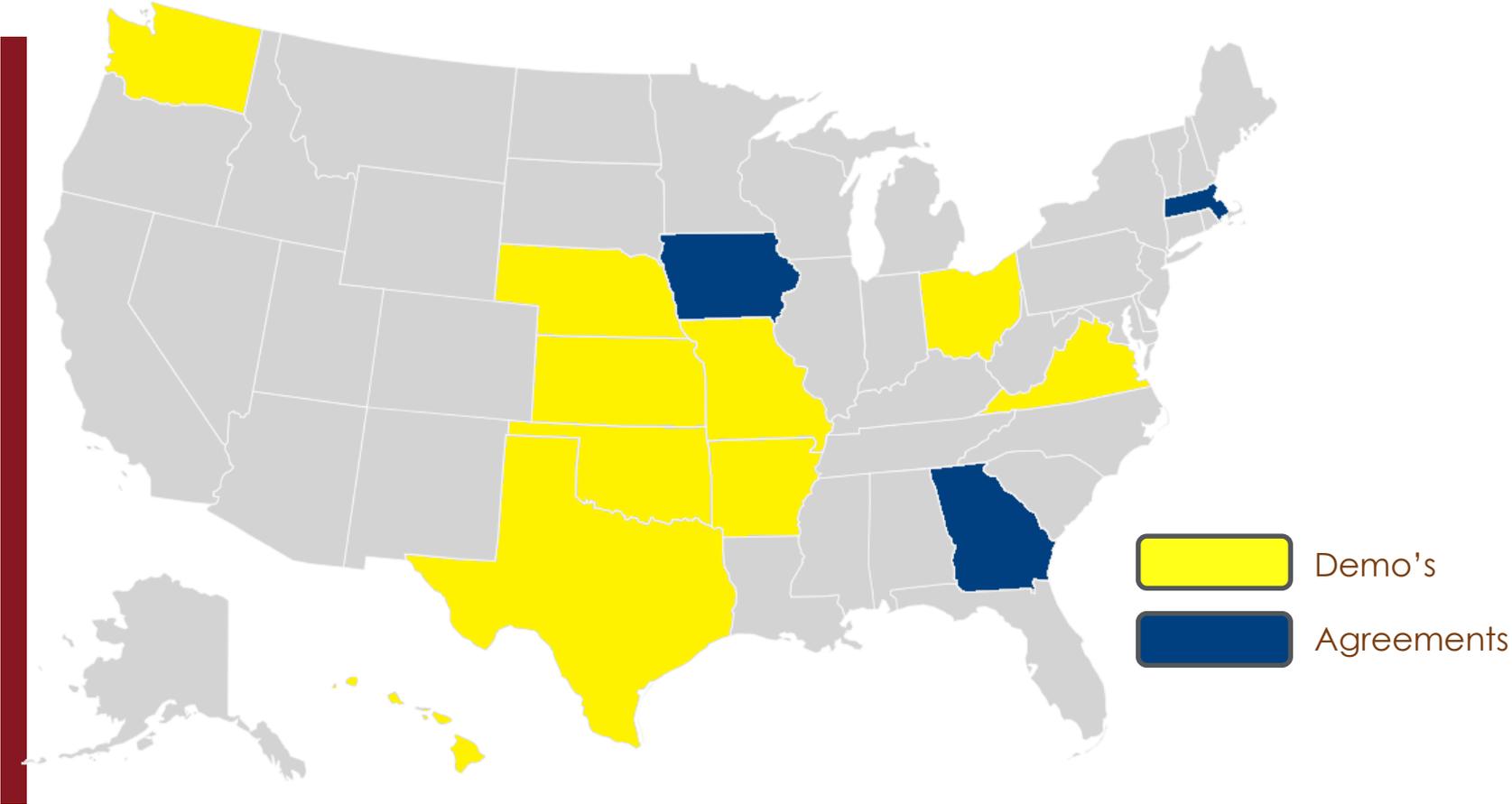


- **MyREACH (Home)**
 - Your subscriptions to: project updates; upcoming public meetings; available surveys, etc
- **Notifications**
 - Designate options like: notify me when a new project is added; notify me when I enter a new project area (geofencing); notify me of events on My Projects
- **Community Dashboard (Map View)**
 - For one, or many projects: see what others are saying (with sensitive information scrubbed); comment directly from the map, or add yourself to that project
 - Integrated with GeoDOT mapping elements
- **Comment Feed**
 - View your complete history of interaction on projects, and response by from MassDOT (think Facebook thread)
- ❖ **My Profile**
 - Participant using social media login (requires permission to access) or sign-up using PIMA standard auth (may require password)

Next Steps – PIMA TEAM



By The States For the States



Open Source (kind of)

- Partnerships with other states
 - Native app development - **MassDot**
 - Efficiencies in workflows
 - Reaching a wider population base
 - Integration of Social Media
 - Geofencing
 - Polling - **KSDot**
 - Forum Development – **IDOT**
 - Aesthetic enhancements





**THANK YOU FOR YOUR TIME AND ATTENTION
QUESTIONS ?**



BRAD HOFER

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LOCATION & ENVIRONMENT BUREAU

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Office: 515-239-1787

Iowa DOT
Location & Environment Bureau
<https://iowadot.gov/ole/>